XEAL™

Powered by iStarUSA® Group

TC-1000PD8

(RoHS Compliant)

1000 Watts ATX12V and EPS12V Switching Power Supply

Features

- Complied with ATX12V and EPS12V standard
- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency and reliability
- Compatible with European Union Directive 2002/95/EC (Restriction on Hazardous Substances).
- Remote ON/OFF function
- Internal 12V DC fan included
- Noise Killer (thermal fan speed control function)
- Low noise and ripple
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Re-settable power shut down
- Complies with FCC part 15 subpart J class B 115Vac operation, and CISPR 22 class B at 230Vac operation
- Approved by UL,CSA22.2 NO or CUL 60950-1, TUV or VDE, EMC,FCC ,CE, CB report.

Input Characteristics

Input Range: 99 ~ 265Vac (RMS), Full Range Input
Frequency: 47 ~ 53Hz
Input Current: Max 11.5A (RMS) @ 115Vac, 6A (RMS) @ 230Vac
Inrush Current: No damage

Specification

- **Temperature Range:** Operating:10°C ~ +40°C ; De-rate 10W/°C from 25°C to 40°C .
  Storage & shipping: -20°C ~ +80°C
- **Humidity:** 5%~95% on operating,5%~ 95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 1 second
- **Efficiency:** typical > 80%
- **Rise time:** Less than 20ms
- **Hold-up Time:** 20ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Less than 3.5mA.
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):** 165x150x85.8mm/6.5x5.9x3.4inch

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.8A	15A	30A	± 5%	75mV P-P
+5V	0.5A	15A	30A	± 5%	75mV P-P
+12V1~+12V4	0.5A	10A	20A	± 5%	140mV P-P
-12V	0.0A	0.5A	1A	± 10%	200mV P-P
+5Vsb	0.1A	1.5A	3.0A	± 5%	75mV P-P

*+3.3V and +5V total output not exceed 175W.
*+3.3V and +5V &+12V outputs power should not exceed 975W
* Maximum combined current for the 12V outputs shall be75A.
*Total output for this subject power supply is 1000W.